

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071624\
 Data File : VY018835.D
 Acq On : 16 Jul 2024 16:36
 Operator : SY/MD
 Sample : P3224-13
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 400STEVEN-4

Quant Time: Jul 17 01:57:59 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y070924S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 09 14:28:51 2024
 Response via : Initial Calibration

Compound	R.T. QIon		Response	Conc	Units	Dev(Min)

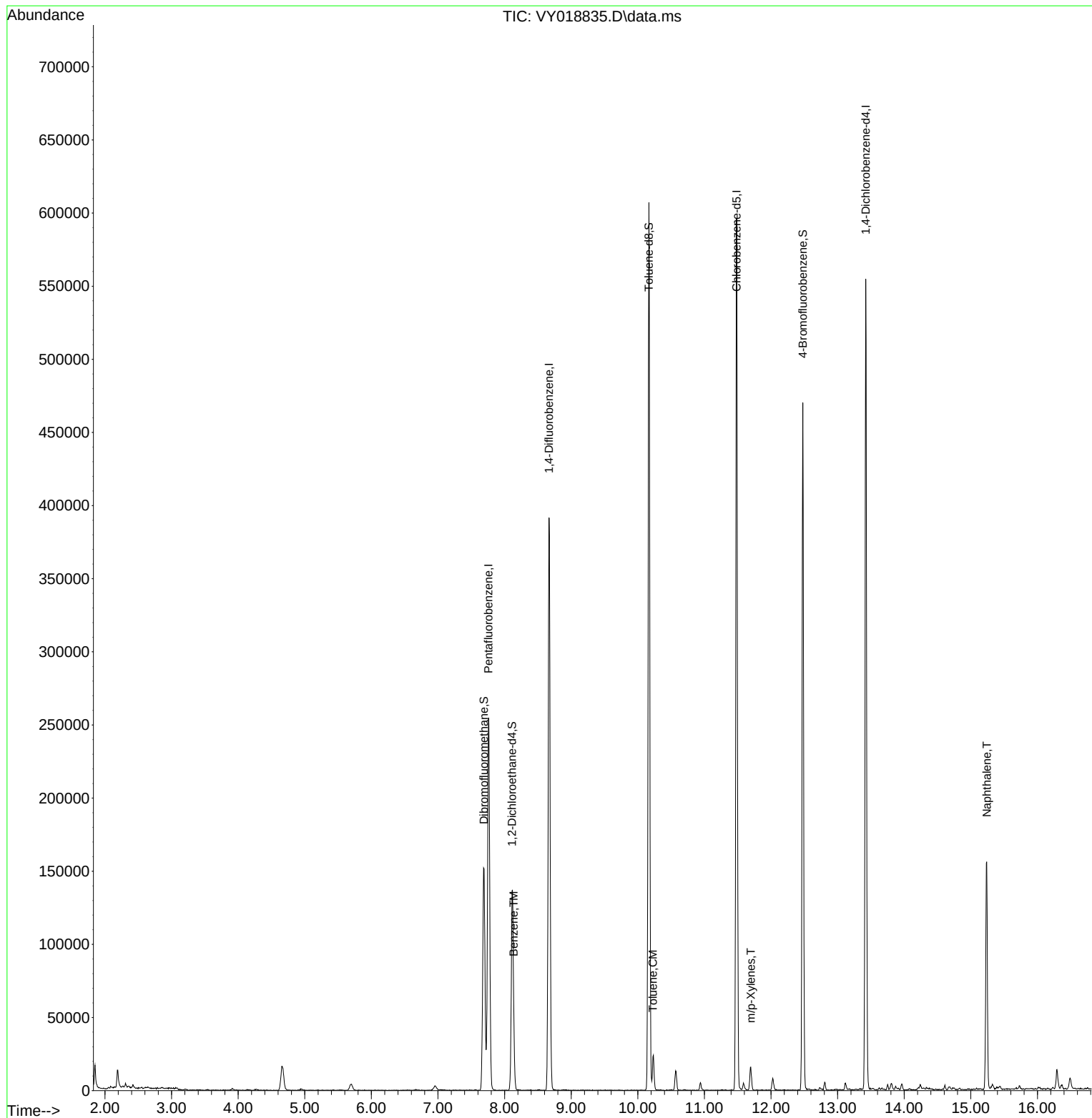
Internal Standards						
1) Pentafluorobenzene	7.758	168	202304	50.000	ug/l	-0.02
34) 1,4-Difluorobenzene	8.667	114	342194	50.000	ug/l	-0.01
63) Chlorobenzene-d5	11.483	117	317762	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	139117	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.112	65	101725	51.100	ug/l	-0.02
Spiked Amount	50.000	Range	50 - 163	Recovery	= 102.200%	
35) Dibromofluoromethane	7.691	113	106550	49.715	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 99.420%	
50) Toluene-d8	10.167	98	391669	48.236	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 96.480%	
62) 4-Bromofluorobenzene	12.477	95	134482	48.498	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 97.000%	
Target Compounds						Qvalue
40) Benzene	8.136	78	10504	1.224	ug/l	97
52) Toluene	10.228	92	9911	1.738	ug/l	95
68) m/p-Xylenes	11.697	106	4900	1.063	ug/l	100
95) Naphthalene	15.239	128	129386	29.961	ug/l	99

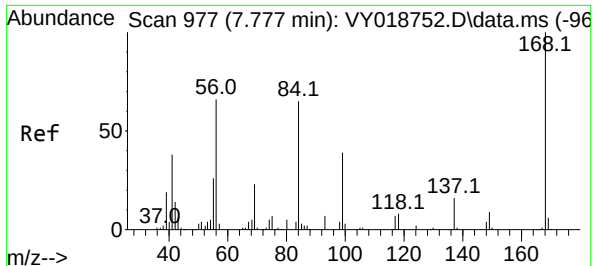
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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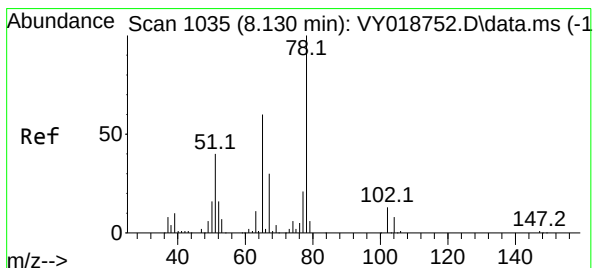
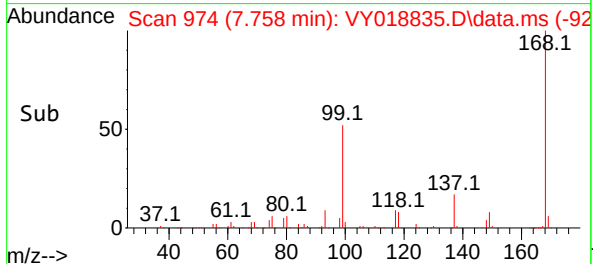
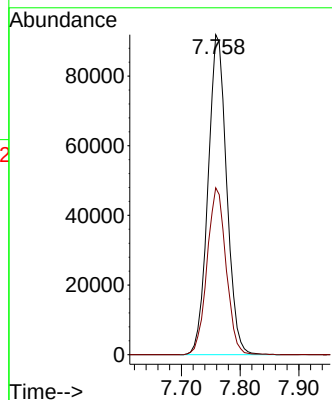
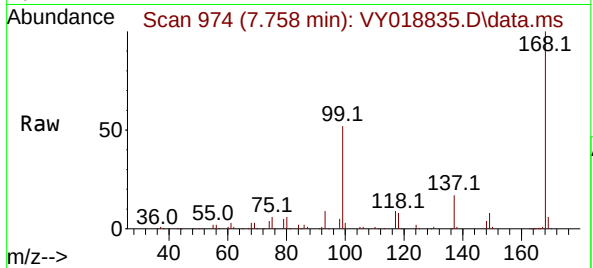




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.758 min Scan# 91
Delta R.T. -0.019 min
Lab File: VY018835.D
Acq: 16 Jul 2024 16:36

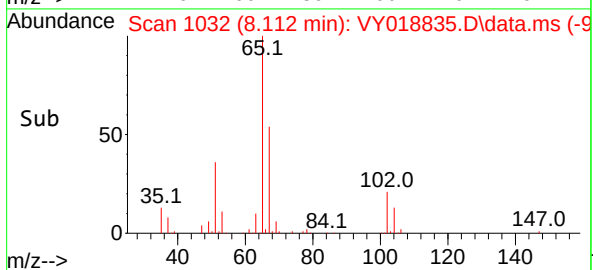
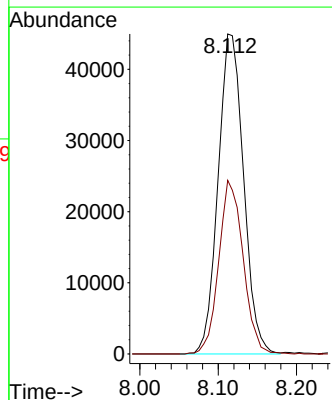
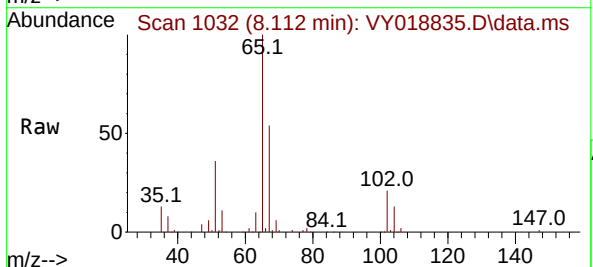
Instrument :
MSVOA_Y
ClientSampleId :
400STEVEN-4

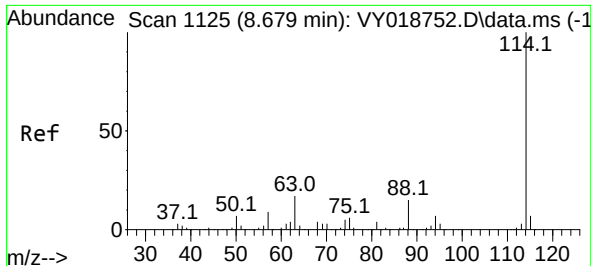
Tgt Ion:168 Resp: 202304
Ion Ratio Lower Upper
168 100
99 52.2 39.1 58.7



#33
1,2-Dichloroethane-d4
Concen: 51.100 ug/l
RT: 8.112 min Scan# 1032
Delta R.T. -0.018 min
Lab File: VY018835.D
Acq: 16 Jul 2024 16:36

Tgt Ion: 65 Resp: 101725
Ion Ratio Lower Upper
65 100
67 52.0 0.0 109.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.667 min Scan# 1125

Delta R.T. -0.012 min

Lab File: VY018835.D

Acq: 16 Jul 2024 16:36

Instrument :

MSVOA_Y

ClientSampleId :

400STEVEN-4

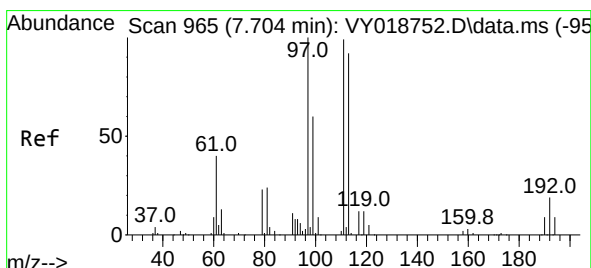
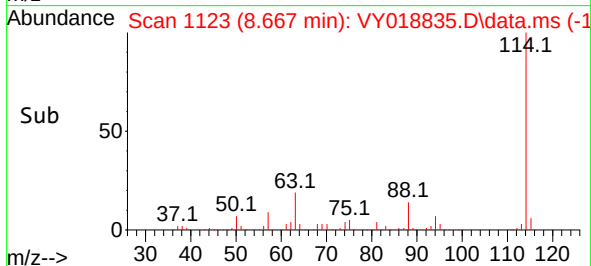
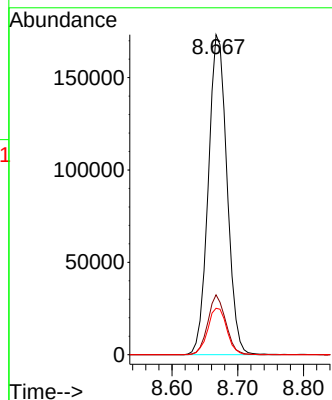
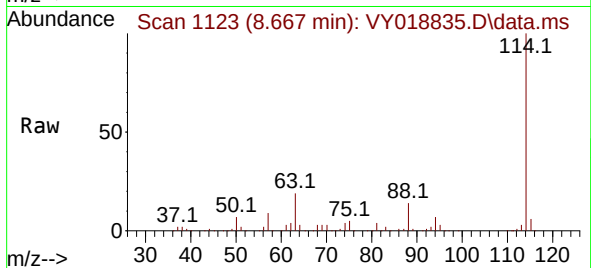
Tgt Ion:114 Resp: 342194

Ion Ratio Lower Upper

114 100

63 18.7 0.0 35.0

88 14.5 0.0 27.2



#35

Dibromofluoromethane

Concen: 49.715 ug/l

RT: 7.691 min Scan# 963

Delta R.T. -0.012 min

Lab File: VY018835.D

Acq: 16 Jul 2024 16:36

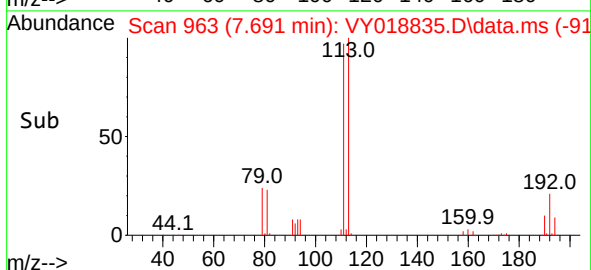
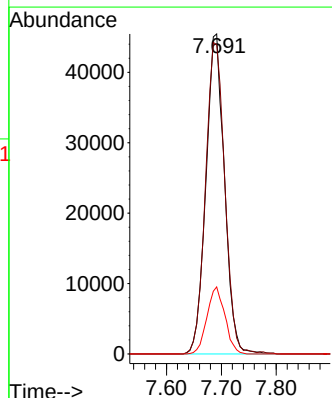
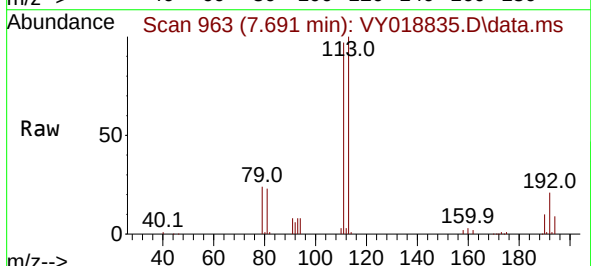
Tgt Ion:113 Resp: 106550

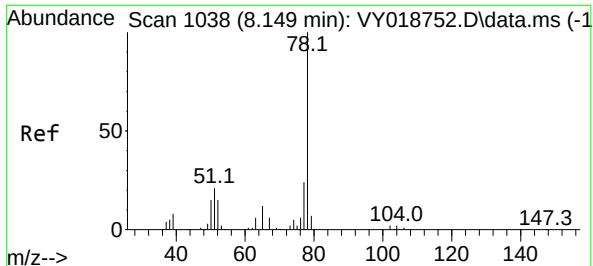
Ion Ratio Lower Upper

113 100

111 100.8 82.2 123.4

192 20.3 15.9 23.9

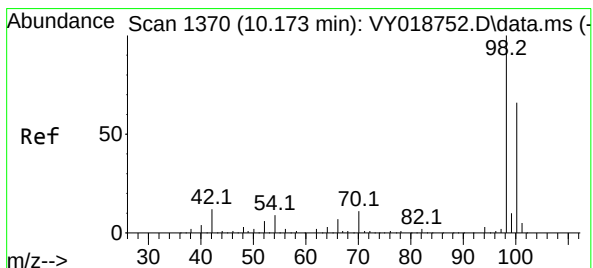
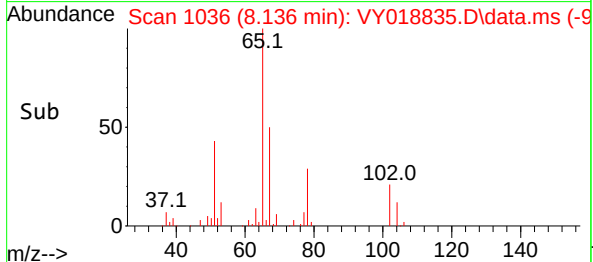
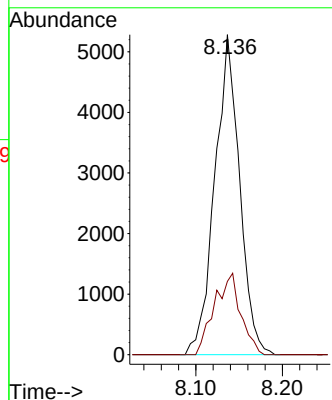
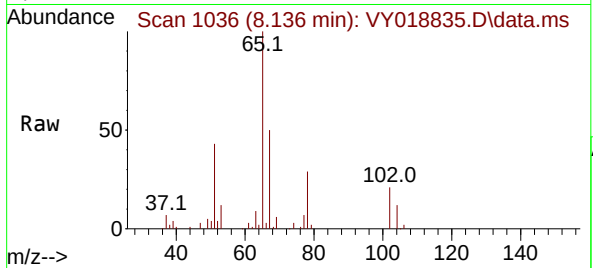




#40
Benzene
Concen: 1.224 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.013 min
Lab File: VY018835.D
Acq: 16 Jul 2024 16:36

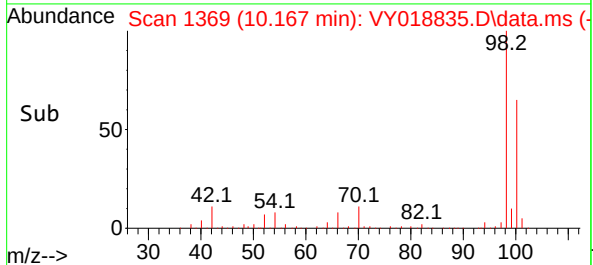
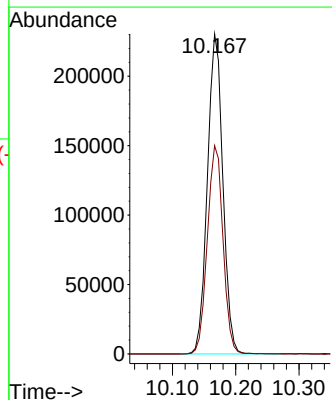
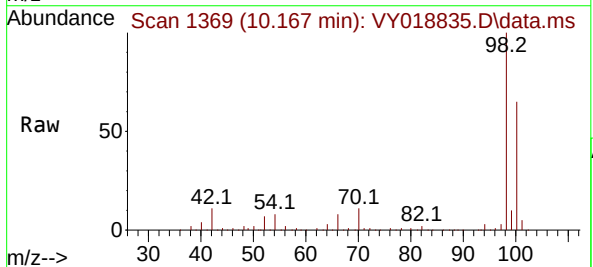
Instrument :
MSVOA_Y
ClientSampleId :
400STEVEN-4

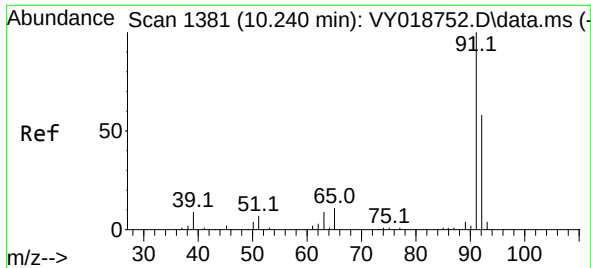
Tgt Ion: 78 Resp: 10504
Ion Ratio Lower Upper
78 100
77 22.9 19.5 29.3



#50
Toluene-d8
Concen: 48.236 ug/l
RT: 10.167 min Scan# 1369
Delta R.T. -0.006 min
Lab File: VY018835.D
Acq: 16 Jul 2024 16:36

Tgt Ion: 98 Resp: 391669
Ion Ratio Lower Upper
98 100
100 65.9 52.0 78.0





#52

Toluene

Concen: 1.738 ug/l

RT: 10.228 min Scan# 1379

Delta R.T. -0.012 min

Lab File: VY018835.D

Acq: 16 Jul 2024 16:36

Instrument :

MSVOA_Y

ClientSampleId :

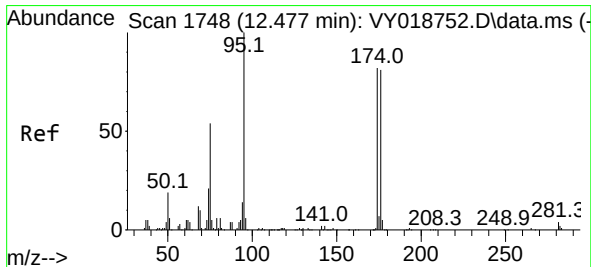
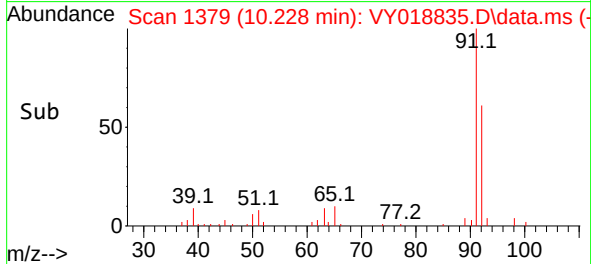
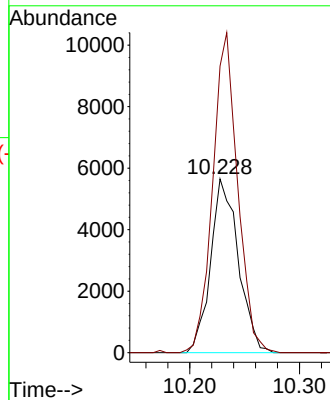
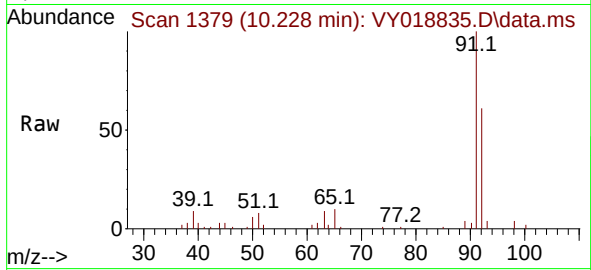
400STEVEN-4

Tgt Ion: 92 Resp: 9911

Ion Ratio Lower Upper

92 100

91 166.2 139.0 208.6



#62

4-Bromofluorobenzene

Concen: 48.498 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. 0.000 min

Lab File: VY018835.D

Acq: 16 Jul 2024 16:36

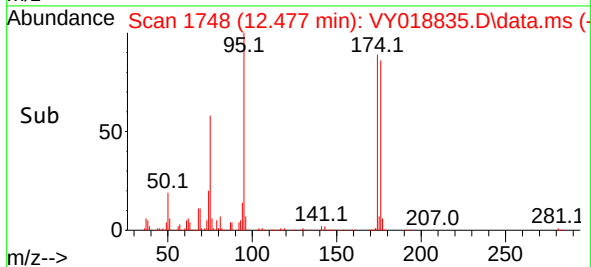
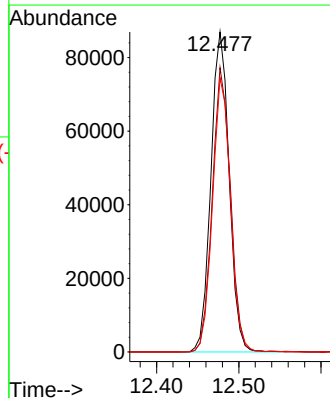
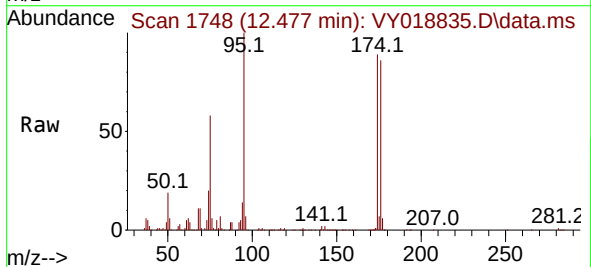
Tgt Ion: 95 Resp: 134482

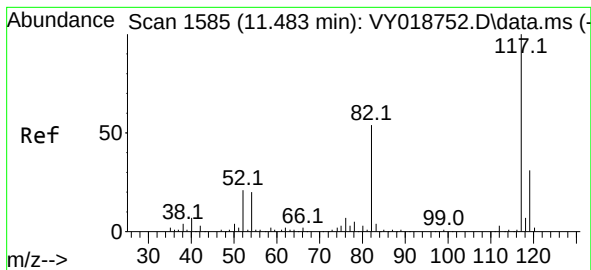
Ion Ratio Lower Upper

95 100

174 88.2 0.0 175.6

176 84.5 0.0 171.4

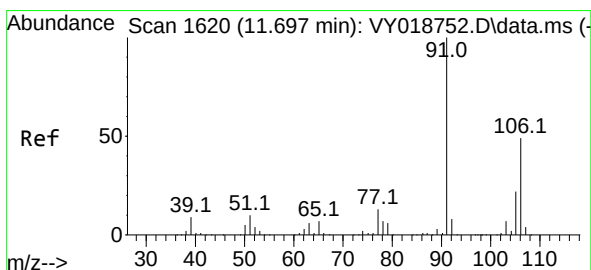
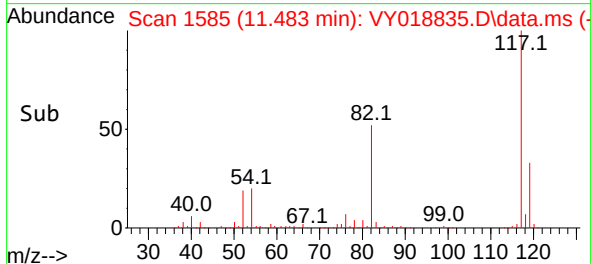
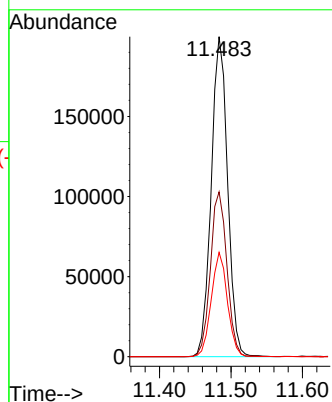
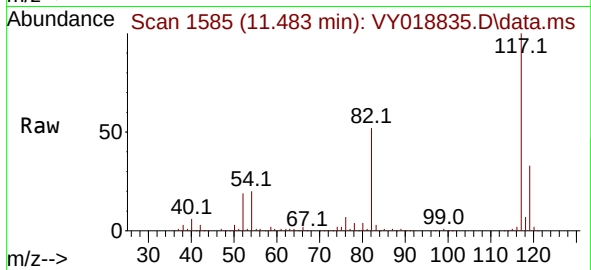




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.483 min Scan# 117
Delta R.T. 0.000 min
Lab File: VY018835.D
Acq: 16 Jul 2024 16:36

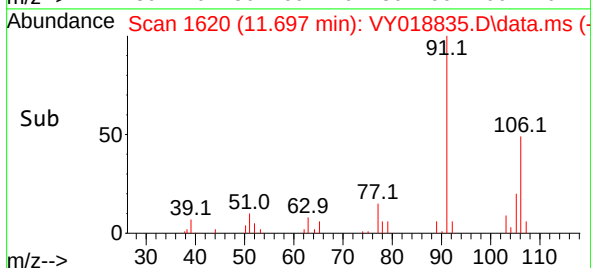
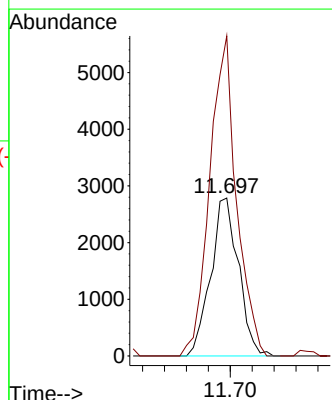
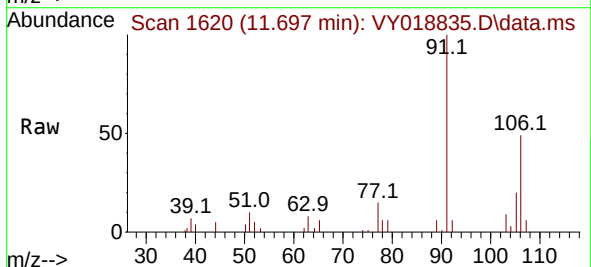
Instrument :
MSVOA_Y
ClientSampleId :
400STEVEN-4

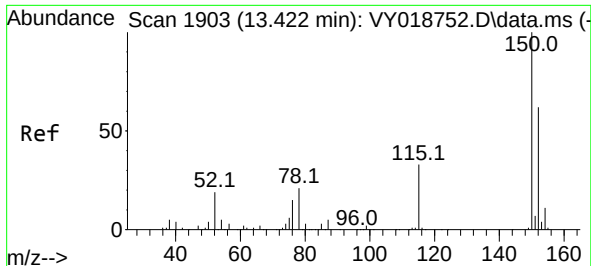
Tgt Ion:117 Resp: 317762
Ion Ratio Lower Upper
117 100
82 51.5 42.4 63.6
119 32.6 25.9 38.9



#68
m/p-Xylenes
Concen: 1.063 ug/l
RT: 11.697 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VY018835.D
Acq: 16 Jul 2024 16:36

Tgt Ion:106 Resp: 4900
Ion Ratio Lower Upper
106 100
91 195.5 156.0 234.0

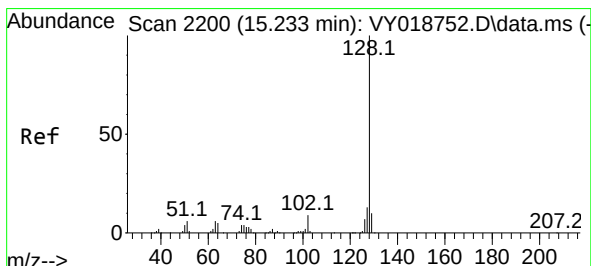
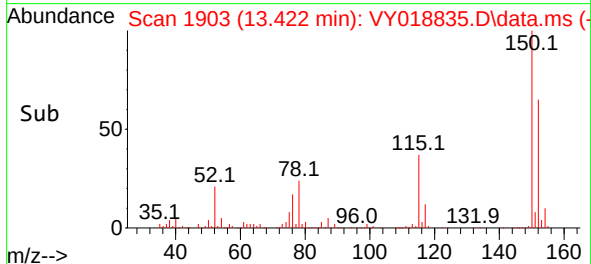
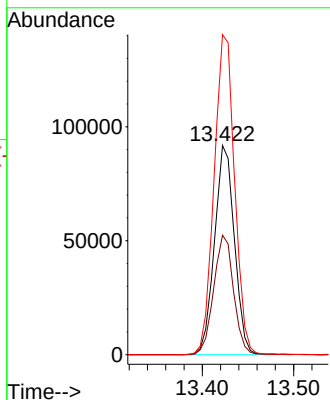
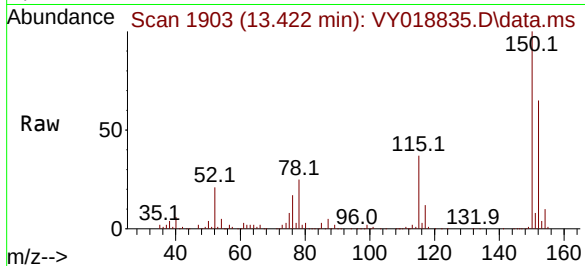




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY018835.D
Acq: 16 Jul 2024 16:36

Instrument :
MSVOA_Y
ClientSampleId :
400STEVEN-4

Tgt Ion:152 Resp: 139117
Ion Ratio Lower Upper
152 100
115 57.1 28.2 84.7
150 157.7 0.0 345.6



#95
Naphthalene
Concen: 29.961 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. 0.006 min
Lab File: VY018835.D
Acq: 16 Jul 2024 16:36

Tgt Ion:128 Resp: 129386
Ion Ratio Lower Upper
128 100
127 13.5 10.6 16.0
129 10.4 8.6 13.0

